Diamond Snap-Form®
Insulated Concrete Form

TECH BULLETIN

DSF No. 7013

Subject: **Windspeed versus Pressure - Diamond Snap-Form ICF**

Date: **February 2011**

Diamond Snap-Form (DSF) ICF recommends the following formula be used in order to calculate the approximate load that will be imposed on a DSF formed concrete wall for a specific windspeed:

The following formula and graph are based upon atmospheric pressure of 14.7, a temperature of 60°F and a velocity pressure based on air which is 0.0764 lbs/ft^3. Actual values will vary with elevation, atmospheric conditions and geographic location. The formula for approximating velocity pressure is $p=0.00256w^2$ or the constant of 0.00256 X the windspeed squared. A qualified engineer should be consulted to ensure adequate design of the concrete wall.